Lev Kropp

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▬▬ SKILLS

- C/C++ (SDL, Boost, OpenCV, Qt, CMake) | Java (Spring, Hibernate, JUnit, Maven, Gradle)
- Python (Django, Flask, NumPy, Pandas) | HTML/CSS/JavaScript (Vue, Angular, React, Svelte)
- Visual Studio, WinDbg, Git, SVN, Perforce, Linux, GDB, Jenkins, Jira, PHP, JSON

▬▬ WORK EXPERIENCE

AMD (Advanced Micro Devices Inc.)

Software Engineer Intern   May 2022 - May 2023

- Developed and debugged C/C++ Windows kernel drivers, leading to substantial enhancements in system performance and program stability
- Managed Jenkins job pipeline for PRIME team using Batch, AutoIT, Python, and YAML scripting, delivering crucial testing data and improving project results
- Designed and implemented an internal web application for automated testing and data analysis
- Employed Svelte and TailwindCSS for responsive and visually appealing front-end design
- Utilized PHP and JSON for server-side data processing and .csv file generation
- Gained proficiency in Confluence, Jira, Github Enterprise, and internal build/release tools

Sanofi Pasteur

Sanofi Manufacturing System Change Leader   Jan 2022 - Apr 2022

- Promoted after internship period to oversee implementation of Sanofi Manufacturing System in the ETS department and related departments, providing additional assistance and bringup to new facilities being built as part of a ~$1 billion CAD government project

Engineering Technical Services Intern   Jan 2021 - Dec 2021

- Developed algorithms and designed software for Microsoft apps, driving substantial efficiency improvements and streamlining the team's workflow
- Created a SharePoint website to enhance team collaboration and resource management, and was responsible for its upkeep and administration

▬▬ PROJECTS

Ubuntu Image Info (https://github.com/levkropp/ubuntu-image-info)
- Developed a tool in C++17 that retrieves information about the latest Ubuntu Cloud images
- Utilized CMake as the build system to ensure compatibility across Linux, macOS, and Windows
- Implemented a user-friendly CLI that allows users to retrieve information about supported Ubuntu releases, current LTS version, and SHA256 info for a given release

Fruni (https://fruni-web.web.app/)
- Launched Fruni, an innovative social web application tailored for university students, enabling them to share schedules and foster social engagement within the academic community.
- Successfully orchestrated the migration of Fruni from Vue to Svelte, demonstrating agility in adopting new technologies and proficiency in transitioning complex applications to more performant frameworks.

▬▬ EDUCATION

York University

Bachelor of Arts - BA, Computer Science   Feb 2024